

Nest Entrez Sequence QUERY

BLAST Entrez ?

Other Formats: FASTA Graphic

```
06-FEB-1995
                                                     EST
            T49531
                          329 bp
                                    mRNA
LOCUS
            ya76f12.rl Stratagene placenta (#937225) Homo sapiens cDNA clone
DEFINITION
            IMAGE: 67631 5' similar to similar to SP: S33363 S33363 GLY96 PROTEIN
            -, mRNA sequence.
            T49531
ACCESSION
            g651391
NID
KEYWORDS
            EST.
SOURCE
            human.
  ORGANISM
            Homo sapiens
            Eukaryota; Metazoa; Chordata; Vertebrata; Mammalia; Eutheria;
            Primates; Catarrhini; Hominidae; Homo.
               (bases 1 to 329)
REFERENCE
            Hillier, L., Clark, N., Dubuque, T., Elliston, K., Hawkins, M.,
  AUTHORS
            Holman, M., Hultman, M., Kucaba, T., Le, M., Lennon, G., Marra, M.,
            Parsons, J., Rifkin, L., Rohlfing, T., Tan, F., Trevaskis, E.,
            Waterston, R., Williamson, A., Wohldmann, P. and Wilson, R.
  TITLE
            WashU-Merck EST Project
            Unpublished (1995)
  JOURNAL
            Other_ESTs: ya76f12.s1
COMMENT
            Contact: Wilson RK
            Washington University School of Medicine
            4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
            Tel: 314 286 1800
            Fax: 314 286 1810
            Email: est@watson.wustl.edu
            High gality sequence stops: 264
            Source: IMAGE Consortium, LLNL
            This clone is available royalty-free through LLNL; contact the
            IMAGE Consortium (info@image.llnl.gov) for further information.
            Seq primer: M13RP1
            High quality sequence stop: 264.
FEATURES
                      Location/Qualifiers
                      1..329
     source
                      /organism="Homo sapiens"
                      /note="Organ: placenta; Vector: pBluescript SK-; Site_1:
                      EcoRI; Site 2: XhoI; Cloned unidirectionally. Primer:
                      Oligo dT. Caucasian. Average insert size: 1.2 kb; Uni-ZAP
                     XR Vector; ~5' adaptor sequence: 5' GAATTCGGCACGAG 3' ~3'
                      adaptor sequence: 5' CTCGAGTTTTTTTTTTTTTTT 3'"
                      /db xref="GDB:489296"
                      /db xref="taxon:9606"
                      /clone="IMAGE:67631"
                      /clone lib="Stratagene placenta (#937225)"
                      /sex="male"
                      /lab host="SOLR cells (kanamycin resistant)"
BASE COUNT
                          131 c
                                    84 q
                                             57 t
                                                        9 others
                  48 a
ORIGIN
        1 tecgetgent caccatgtgt cactetegea getgecacce gaccatgace atcetgeagg
       61 coccgacco ggccccctcc accatecegg gacceeggeg genteeggte etgagatett
      121 caccttegac cetetecegg agecegeage ggeecetgee ggegeeceag etnntnegeg
      181 ggcaccgaaa gcgcagcgca gggttctcta ccctcgagtg gtccggcgnc agtgnccagt
      241 cgaggaaccg aacccagcca aaaggcttct ctttctgctt gctcaccatc gtcttctgcc
      301 agatectgat ggetgangag ggtgtgneg
//
```

Save the above report in Macintosh V Text V format

NGBL Entrez	Nucleotide QUERY	BLAST Enlicz ?
Other Formats:	GenBank Graphic	
TCCGCTGCNTCACCA GGCCCCCTCCACCAT AGCCCGCAGCGGCCC CCCTCGAGTGGTCCG	TGTGTCACTCTCGCAGCTGCCACCCGA CCCGGGACCCCGGCGCNTCCGGTCCT CTGCCGGCGCCCCAGCTNNTNCGCGGG	atagene placenta (#937225) Homo sapiens cD CCATGACCATCCTGCAGGCCCCGACCCC GAGATCTTCACCTTCGACCCTCTCCCGG CACCGAAAGCGCAGCGC
		_

```
BLAST
                                                      Entrez
                    Protein QUERY
NGB I
     Entrez
```

Other Formats: Graphic **FASTA**

01-NOV-1995 LOCUS 1169902 106 aa IMMEDIATE EARLY PROTEIN GLY96 HOMOLOG. DEFINITION 1169902 ACCESSION g1169902 PID **DBSOURCE** SWISS-PROT: locus GL96 HUMAN, accession P46695 class: standard. created: Nov 1, 1995. sequence updated: Nov 1, 1995. annotation updated: Nov 1, 1995. xrefs: qi: 651391 KEYWORDS GLYCOPROTEIN; TRANSMEMBRANE. SOURCE human. Homo sapiens ORGANISM Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata; Vertebrata; Eutheria; Primates; Catarrhini; Hominidae; Homo. REFERENCE (residues 1 to 106) HILLIER, L., CLARK, N., DUBUQUE, T., ELLISTON, K., HAWKINS, M., **AUTHORS** HOLMAN, M., HULTMAN, M., KUCABA, T., LE, M., LENNON, G., MARRA, M., PARSONS, J., RIFKIN, L., ROHLFING, T., TAN, F., TREVASKIS, E., WATERSTON, R., WILLIAMSON, A., WOHLDMANN, P. and WILSON, R. Direct Submission TITLE Submitted (??-FEB-1995) TO EMBL/GENBANK/DDBJ DATA BANKS JOURNAL SEQUENCE FROM N.A. REMARK TISSUE=PLACENTA (residues 1 to 106) REFERENCE BAIROCH, A. **AUTHORS** Direct Submission TITLE Submitted (??-OCT-1995) TO EMBL/GENBANK/DDBJ DATA BANKS **JOURNAL** REMARK CONCEPTUAL TRANSLATION. [WARNING] On Oct 9, 1997 this sequence was replaced by a newer COMMENT version gi:2507034. [SUBCELLULAR LOCATION] TYPE II MEMBRANE PROTEIN (POTENTIAL). [SIMILARITY] STRONG, TO MOUSE GLY96. [CAUTION] THIS IS A CONCEPTUAL TRANSLATION; FRAMESHIFTS HAD TO BE INTRODUCED TO PRODUCE THIS ORF. Location/Qualifiers **FEATURES** 1:.106 source /organism="Homo sapiens" /db xref="taxon:9606" 1..>106 Protein /product="IMMEDIATE EARLY PROTEIN GLY96 HOMOLOG" Region /note="CYTOPLASMIC." /region name="Domain"

83..99 Region

/region name="Transmembrane region"

100..>106 Region

/note="EXTRACELLULAR." /region name="Domain"

ORIGIN

1 mchsrschpt mtilgaptpa pstipgprrx sgpeiftfdp lpepaaapag apqxxrghrk 61 rsrrvlyprv vrxqxpveep npakrllfll ltivfcqilm axegvx

//

Save the above report in Macintosh **▼** format Text

NGBI Entrez Protein QUERY BLAST Entrez Other Formats: [

Graphic

>gi|1169902|sp|P46695|GL96_HUMAN IMMEDIATE EARLY PROTEIN GLY96 HOMOLOG MCHSRSCHPTMTILQAPTPAPSTIPGPRRXSGPEIFTFDPLPEPAAAPAGAPQXXRGHRKRSRRVLYPRV VRXQXPVEEPNPAKRLLFLLLTIVFCQILMAXEGVX

Save the above report in Macintosh Text ▼ format

GenPept



```
Other Formats: [
               GenPept
                           FASTA
                                   Graphic
Seq-entry ::= seq {
  id {
    swissprot {
      name "GL96_HUMAN" , accession "P46695" } ,
    gi 1169902 } ,
  descr {
    title "IMMEDIATE EARLY PROTEIN GLY96 HOMOLOG.",
    comment "[SUBCELLULAR LOCATION] TYPE II MEMBRANE PROTEIN (POTENTIAL).",
    comment "[SIMILARITY] STRONG, TO MOUSE GLY96.",
    comment "[CAUTION] THIS IS A CONCEPTUAL TRANSLATION; FRAMESHIFTS HAD TO BE
 INTRODUCED TO PRODUCE THIS ORF." ,
    sp {
      class standard ,
      segref {
        gi 651391 } ,
      keywords {
        "GLYCOPROTEIN"
        "TRANSMEMBRANE" } ,
      created
        std {
          year 1995 ,
          month 11,
          day 1 } ,
      sequpd
        std {
          year 1995 ,
          month 11,
          day 1 } ,
      annotupd
        std {
          year 1995 ,
          month 11,
          day 1 } } ,
    create-date
      std {
        year 1995 ,
        month 11,
        day 1 } ,
    update-date
      std {
        year 1995 ,
        month 11,
        day 1 } ,
    source {
      org {
         taxname "Homo sapiens",
        common "human" ,
        db {
             db "taxon" ,
             tag
               id 9606 } ,
             db "Swissprot-taxon",
             tag
               str "E5210c N=HOMO SAPIENS" ) } ,
         orgname {
           name
```

~ 5. A

```
binomial {
             genus "Homo",
             species "sapiens" } ,
         lineage "Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Eutheria; Primates; Catarrhini; Hominidae; Homo",
         gcode 1 ,
         mgcode 2
         div "PRI" } } } ,
  molinfo {
     biomol peptide ,
     completeness no-right } ,
  pub {
     pub {
       gen {
         serial-number 1 } ,
       sub {
         authors {
           names
             std {
               {
                 name
                   name {
                     last "HILLIER" ,
                      initials "L." } } ,
               {
                 name
                   name {
                     last "CLARK"
                      initials "N." } } ,
               {
                 name
                   name {
                     last "DUBUQUE"
                      initials "T." } } ,
               {
                 name
                   name {
                     last "ELLISTON"
                      initials "K." } } ,
               {
                 name
                   name {
                     last "HAWKINS"
                     initials "M." } } ,
               {
                 name
                   name {
                     last "HOLMAN"
                     initials "M." } } ,
               {
                 name
                   name {
                     last "HULTMAN"
                     initials "M." } } ,
               {
                 name
                   name {
                     last "KUCABA"
                     initials "T." } } ,
               {
                 name
                   name {
                     last "LE" ,
                     initials "M." } } ,
               {
                                                                        -5. A
```

```
name
             name {
               last "LENNON"
               initials "G." } } ,
         {
           name
             name {
               last "MARRA" ,
                initials "M." } },
         {
            name
             name {
               last "PARSONS" ,
               initials "J." } },
          {
           name
              name {
               last "RIFKIN"
                initials "L." } } ,
          {
            name
              name {
               last "ROHLFING"
                initials "T." } } ,
          {
            name
              name {
                last "TAN"
                initials "F." } } ,
          {
            name
              name {
               last "TREVASKIS" ,
                initials "E." } } ,
          {
            name
              name {
                last "WATERSTON",
                initials "R." } } ,
          {
            name
              name {
                last "WILLIAMSON" ,
                initials "A." } } ,
          {
            name
              name {
                last "WOHLDMANN",
                initials "P." } } ,
          {
            name
              name {
                last "WILSON"
                initials "R." } } } ,
    imp {
      date
        std {
          year 1995 ,
          month 2 } ,
        str "TO EMBL/GENBANK/DDBJ DATA BANKS" } ,
    medium other } } ,
comment "SEQUENCE FROM N.A.~TISSUE=PLACENTA" } ,
```

75. a

pub { pub {

```
gen {
          serial-number 2 } ,
       sub {
          authors {
           names
              std {
                  name
                    name {
                      last "BAIROCH"
                      initials "A." } } } ,
          imp {
            date
              std {
                year 1995 ,
                month 10 } ,
            pub
              str "TO EMBL/GENBANK/DDBJ DATA BANKS" } ,
          medium other } } ,
      comment "CONCEPTUAL TRANSLATION." } } ,
 inst {
   repr raw ,
   mol aa ,
   length 106,
   seq-data
      ncbieaa "MCHSRSCHPTMTILQAPTPAPSTIPGPRRXSGPEIFTFDPLPEPAAAPAGAPQXXRGHRKRSR
RVLYPRVVRXQXPVEEPNPAKRLLFLLLTIVFCQILMAXEGVX",
   hist {
      replaced-by {
        date
          std {
            year 1997 ,
            month 10,
            day 9 } ,
        ids {
          gi 2507034 } } } ,
  annot {
    {
      data
        ftable {
            data
              region "Domain",
            comment "CYTOPLASMIC.",
            location
              int {
                from 0 ,
                to 81 ,
                id
                  gi 1169902 } ,
            exp-ev not-experimental } ,
            data
              region "Transmembrane region",
            location
              int {
                from 82 ,
                to 98 ,
                id
                  gi 1169902 } ,
            exp-ev not-experimental } ,
          {
            data
              region "Domain" ,
            partial TRUE ,
```

-<u>5</u>. 🗪

PubMed protein query



```
comment "EXTRACELLULAR.",
 location
   int {
     from 99 ,
      to 105 ,
        gi 1169902,
      fuzz-to
        lim gt } ,
  exp-ev not-experimental } ,
{
 data
   prot {
        "IMMEDIATE EARLY PROTEIN GLY96 HOMOLOG" } } ,
 partial TRUE ,
  location
    int {
      from 0 ,
      to 105 ,
        gi 1169902,
      fuzz-to
        lim gt } } } }
```

Save the above report in Macintosh v Text v format



IMMEDIATE EARLY PROTEIN GLY96 HOMOLOG.

1 MCHSRSCHPTMTILQAPTPAPSTIPGPRRXSGPEIFTFDP
41 LPEPAAAPAGAPQXXRGHRKRSRRVLYPRVVRXQXPVEEP
81 NPAKRLLFLLLTIVFCQILMAXEGVX

Legend

feature

11/5/98 3:35 PN

NGBI Entrez Sequence QUERY BLAST Entrez &

Other Formats: FASTA Graphic

LOCUS 2507034 156 aa 01-FEB-1998 DEFINITION RADIATION-INDUCIBLE IMMEDIATE-EARLY GENE IEX-1 (IMMEDIATE EARLY

PROTEIN GLY96).

ACCESSION 2507034 PID q2507034

DBSOURCE SWISS-PROT: locus IEX1 HUMAN, accession P46695

class: standard.

extra accessions:Q93044,created: Nov 1, 1995.

sequence updated: Nov 1, 1997. annotation updated: Feb 1, 1998.

xrefs: gi: 1488384, gi: 1488385, gi: 651391 KEYWORDS GLYCOPROTEIN; TRANSMEMBRANE; SIGNAL-ANCHOR.

SOURCE human.

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Vertebrata; Mammalia; Eutheria;

Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (residues 1 to 156)

AUTHORS Kondratyev, A.D., Chung, K.N. and Jung, M.O.

TITLE Identification and characterization of a radiation-inducible

glycosylated human early-response gene

JOURNAL Cancer Res. 56 (7), 1498-1502 (1996)

MEDLINE 96181295

REMARK SEQUENCE FROM N.A.

TISSUE=PLACENTA

REFERENCE 2 (residues 1 to 156)

AUTHORS HILLIER, L., CLARK, N., DUBUQUE, T., ELLISTON, K., HAWKINS, M.,

HOLMAN, M., HULTMAN, M., KUCABA, T., LE, M., LENNON, G., MARRA, M., PARSONS, J., RIFKIN, L., ROHLFING, T., TAN, F., TREVASKIS, E., WATERSTON, R., WILLIAMSON, A., WOHLDMANN, P. and WILSON, R.

TITLE Direct Submission

JOURNAL Submitted (??-FEB-1995) TO EMBL/GENBANK/DDBJ DATA BANKS

REMARK PRELIMINARY SEQUENCE OF 1-106 FROM N.A.

TISSUE=PLACENTA

COMMENT [WARNING] On May 8, 1998 this sequence was replaced by a newer

version gi:3123229.

On Oct 9, 1997 this sequence version replaced gi: 1169902. [SUBCELLULAR LOCATION] TYPE II MEMBRANE PROTEIN (POTENTIAL).

[INDUCTION] BY RADIATION.

[SIMILARITY] STRONG, TO MOUSE ORTHOLOG.

[CAUTION] REF.2 SEQUENCE DIFFERS FROM THAT SHOWN DUE TO

FRAMESHIFTS.

FEATURES Location/Qualifiers

source 1..156

/organism="Homo sapiens"
/db xref="taxon:9606"

1..156

/product="RADIATION-INDUCIBLE IMMEDIATE-EARLY GENE IEX-1"

Region 1..82

Protein

Region

/note="CYTOPLASMIC."
/region name="Domain"

/region_name

/note="SIGNAL-ANCHOR (TYPE-II MEMBRANE PROTEIN)."

/region_name="Transmembrane region"

Region $100..15\overline{6}$

/note="EXTRACELLULAR."
/region name="Domain"

Site 133

/site_type="glycosylation"

-5. A

ORIGIN

//

N
1 mchsrschpt mtilqaptpa pstipgprrg sgpeiftfdp lpepaaapag rpsgsrghrk
61 rsrrvlyprv vrrqlpveep npakrllfll ltivfcqilm aeegvraplp pedapnaasl
121 aptpvspvle pfnltsepsd yaldlstflq qhpaaf

Save the above report in Macintosh ▼ Text ▼ format